



900 Fifth Avenue  
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San Rafael  
California 94901

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[www.tam.ca.gov](http://www.tam.ca.gov)

**Belvedere**  
James Campbell

**Corte Madera**  
Diane Furst

**Fairfax**  
John Reed

**Larkspur**  
Dan Hillmer

**Mill Valley**  
Stephanie Moulton-Peters

**Novato**  
Eric Lucan

**Ross**  
P. Beach Kuhl

**San Anselmo**  
Tom McInerney

**San Rafael**  
Gary Phillips

**Sausalito**  
Ray Withy

**Tiburon**  
Alice Fredericks

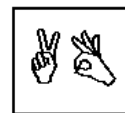
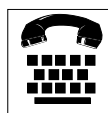
**County of Marin**  
Damon Connolly  
Katie Rice  
Kathrin Sears  
Dennis Rodoni  
Judy Arnold

## AGENDA

Expenditure Plan Advisory Committee  
Wednesday, August 23, 2017  
6:00 p.m. – 8:00 p.m.

Conference Room  
900 Fifth Avenue, Suite 100  
San Rafael, CA 94901

1. Welcome and Introductions (10 minutes)
2. Previous Meeting Recap, Acceptance of the Minutes, Overview of Materials Requested, Response to Outstanding Questions (10 minutes)
3. Review of Measure B – Marin County \$10 Annual Vehicle Registration Fee, TAM Staff (15 minutes)
4. Safe Routes to Schools, Current Program, Parisi Transportation Consulting, Program Manager and Future Needs, TAM Staff (25 minutes)
5. State Highway Projects and Needs, TAM Staff (20 minutes)
6. Senate Bill 1 and Regional Measure 3 Update on Activity, Dianne Steinhauser (5 minutes)
7. Roundtable Discussion and Request for Additional Material / Upcoming EPAC Activity (15 Minutes)
8. Public Open Time
9. Adjourn



The meeting facilities are accessible to persons with disabilities. Requests for special accommodations (assisted listening device, sign language interpreters, etc.) should be directed to Denise Merleno at 415-226-0820 or email: [dmerleno@tam.ca.gov](mailto:dmerleno@tam.ca.gov),  
**no later than 5 days** before the meeting date.

## **Expenditure Plan Advisory Committee Meeting Membership List**

<b>Ref #</b>	<b>Organization</b>	<b>Select Individual</b>
1	COC-Northern Planning	V-Anne Chernock
2	COC-Central Planning	Joy Dahlgren
3	COC-Ross Valley Planning	Paul Roye
4	COC-Southern Planning	Robert Burton
5	COC-West Marin Planning Area	Scott Tye
6	COC-Major Marin Employers	Peter Pelham
7	COC-Environmental Organizations - MCL	Kate Powers
8	COC-Bicycle and Pedestrian Group	Vince O'Brien
9	COC-Marin County Paratransit Coordinating Council	Allan Bortel
10	COC-League of Women Voters	Kevin Hagerty
11	COC-Taxpayer Group	Paul Premo
12	North Bay Leadership Council	Cynthia Murray
13	Chamber of Commerce Novato	Coy Smith
14	Chamber of Commerce San Rafael	Joanne Webster
15	Marin County Office of Education	Ken Lippi
16	Student- College of Marin	Jon Horinek
17	Transit Rider	Lisel Blash
18	Marin Mobility Consortium - Seniors	Lynn Von der Werth
19	Senior Living Resident/Pedestrian	Sue Beittel
20	Equity/Marin City	Monique Brown
21	Equity/Canal Neighborhood	Roberto Hernandez
22	Labor Union/Building Trade Council	Javier Flores
23	Bay Wave Rep - Sea Level Rise - Innovation/Resilience	Bill Carney
24	Safe Routes to School Representative	Debbie Alley

**Expenditure Plan Advisory Committee  
Meeting Topics List - DRAFT**

**August 23, 2017**

**Every Meeting**

- Answer outstanding questions, Minutes, Recap to date
- Review material/handouts
- Status of SB1 & RM3 activity
- Public Comment

**Meeting 1 – June 19, 2017**

- Overview of Purpose of group and Protocol
- Sales taxes – Intro
- Marin's current ½-cent transportation sales tax
- Elect Chair (V-Anne Chernock, League of Women Voters, TAM COC Northern Marin Rep)

**Meeting 2 – July 17, 2017**

- Comparison of sales taxes in the Bay Area
- Review of TAM baseline poll of May 2017- Brian Godbe, Godbe Research Associates
- Marin Transit report of current services - Nancy Whelan, General Manager, Marin Transit ( Future Needs postponed till later meeting)

**Meeting 3 – August 23, 2017 - Wednesday**

- \$10 Vehicle Registration Fee – review of current program- TAM staff
- Safe Routes to Schools, current program and future needs- TAM's Safe Routes to Schools team
- State Highway projects and needs- TAM staff

**Meeting 4 – September 2017 (early)- September 6<sup>th</sup> - Wednesday**

- Overview of current Golden Gate transportation services- Denis Mulligan, General Manager, GGBHTD
- County of Marin resiliency programs (i.e. Bay WAVE and C-Smart)
- Review of Marin Transit needs
- Connected Communities, Safe Routes to Transit and Senior Mobility

**Meeting 5 – September 2017 (later)- September 18<sup>th</sup> - Monday**

- Public Works current funding and future needs- Marin County Public Works, representing Marin-wide needs
- Major Roads progress and remaining needs –
- Interchange needs- TAM staff / TAM's Oncall consultant team
- Remaining education

**Meeting 6 – October (early)**

- Formation of Draft Expenditure Plan or Plans

**Meeting 7 – October (later)**

- Formation of Draft Expenditure Plan or Plans

**Meeting 8 – November (early)**

- Formation of Draft Expenditure Plan or Plans



# Measure B – Marin County Vehicle Registration Fee

Expenditure Plan Advisory Committee  
August 23, 2017



# The Transportation Authority of Marin

- TAM is the Congestion Management Agency (CMA), the Sales Tax Authority (2004 Measure A) and the Vehicle Registration Fee Authority (2010 Measure B)
- TAM is a Joint Powers Authority governed by a 16 member board consisting of the five County Board of Supervisors and a representative from each of Marin's 11 Cities and Towns

# County Demographic Trends



Pop. 261,221 in 112,295 housing units with 243,069 vehicles.  
2.4 people per household; 2.2 vehicles per household



~ 4% increase in population from 2010-2014, forecast of 1.3%  
of regional housing growth, 27% of regional job growth.



25.9% of the population is over 60, median age 45.1. School  
enrollment growing too.





# Measure B – Vehicle Registration Fee

- Measure B – Marin County Vehicle Registration Fee
  - Enabled by Senate Bill 83 (Hancock) signed into law in 2009
  - Allowed TAM to propose an additional \$10 fee for vehicles registered in Marin County
- Fees must be used for programs that benefit the owners of motor vehicle paying the fee
- Fee = Required passage by simple majority 50%+1
- Passed in 2010 - 63%



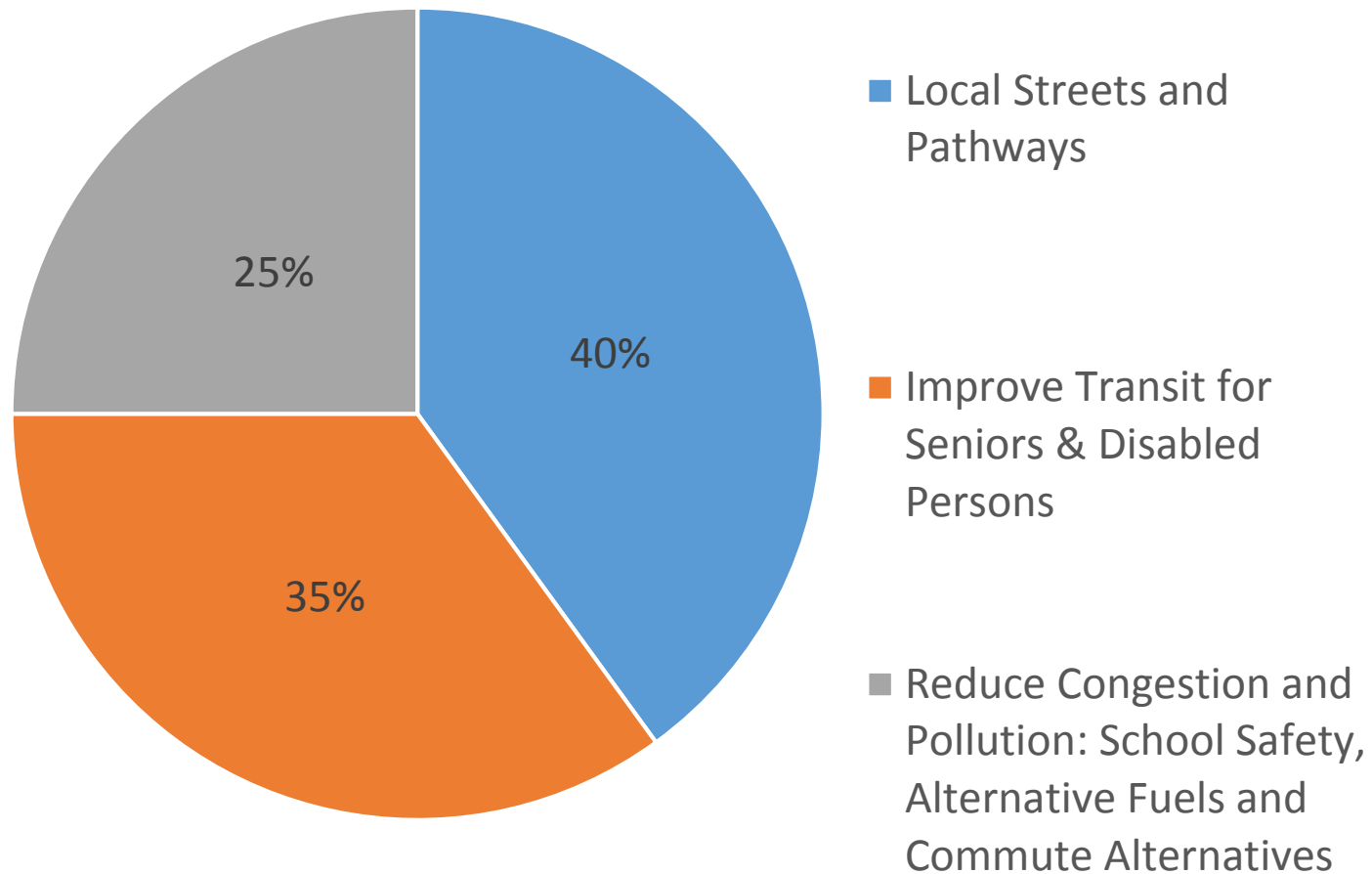
# Measure B Vehicle Registration Fee

- Passed in 2010 – Generates ~\$2.3million/year and does not expire

Measure B Elements	% of Funds
Maintain Local Streets and Pathways - 5% dedicated to bike path maintenance	40%
Improve Transit for Seniors and People with Disabilities	35%
Reduce Congestion and Pollution: School Safety, Alternative Fuels and Commute Alternatives	25%



# Measure B Vehicle Registration Fee



# Local Streets and Pathways – 40%

- 35% to Jurisdictions
  - Allocated every 3 years
  - Based on formula of population and lane miles Bike share
- 5% to Class I Bike Path Maintenance



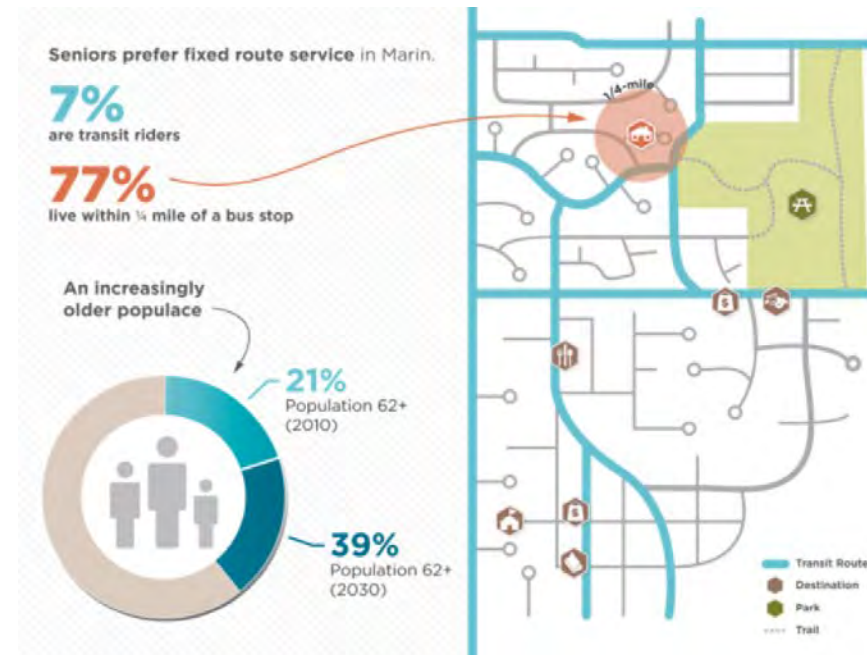
# Local Streets and Pathways to Cities/Towns 16/17 Allocation covering 3-year period

Agency	%	Programmed
Belvedere	0.99%	21,696
Corte Madera	3.39%	74,418
Fairfax	2.82%	61,727
Larkspur	3.93%	86,107
Mill Valley	5.65%	123,928
Novato	18.08%	396,373
Ross	1.03%	22,554
San Anselmo	4.41%	96,591
San Rafael	19.55%	428,642
Sausalito	2.72%	59,554
Tiburon	3.43%	75,110
County	34.01%	745,701
Total	100.00%	\$2.5 mil



# Improved Transit for Seniors and People with Disabilities – 35%

- ~ \$780,000 Annually
- ~ 14% of Marin Access Budget
  - (Measure A ~ 28%)
- Funding Allocated to Marin Transit
  - Responsive to 2010 **Senior Mobility Action and Implementation Plan**





# Improved Transit for Seniors and People with Disabilities – 35%



## **Paratransit**

Door-to-door, shared ride service for ADA-eligible riders



## **Travel Navigators**

One-stop resource for program information & eligibility



## **Volunteer Driver**

Mileage reimbursement for seniors & people with disabilities



## **Travel Training**

Group presentations on public transit & other mobility options



## **Catch-A-Ride**

Discounted taxi rides for seniors & people with disabilities



# Marin Transit Serves Seniors and People with Disabilities

## Marin Access Programs

- **Over 9,000 residents** registered as Marin Access customers
  - **124,764 passenger trips** on paratransit
  - **16,000+ passenger trips** on Catch A Ride (taxi subsidy program)
  - **16,000+ volunteer driver trips** supported by STAR/TRIP



## paratransit RIDER PROFILE



**34%**  
male



**66%**  
female

age

**71**  
average

**73**  
median



LIVE ALONE  
**65%**



TRANSIT DEPENDENT  
**68%**



USE FIXED ROUTE  
**28%**



# Reduce Congestion and Pollution – 25%

- 3.1 School Safety
- 3.2 Commute Alternatives – Enhance and expand programs designed to reduce single occupant vehicles
- 3.3 Alternative Fuel Infrastructure and Promotion



# Reduce Congestion and Pollution – 25%

- 3.1 School Safety

- Crossing Guard Program
- Safe Routes to School

- Other safety improvement and congestion relief programs (ie: Streetsmarts)





# Reduce Congestion and Pollution – 25%

- 3.2 Commute Alternatives – Enhance and expand programs designed to reduce single occupant vehicles
  - Carpool / Vanpool Information
  - Emergency Ride Home
  - Transit Information and Promotion
  - Carshare / Bikeshare
  - Lyft Partnership



# Reduce Congestion and Pollution – 25%

- 3.3 Alternative Fuel Infrastructure and Promotion
  - EV Fleet Rebate Program
  - EV Infrastructure / Charging Station Rebate Program
  - Marin Transit Electric Buses
  - SMART Charging Stations





# Questions and Discussion



Safe Routes to Schools

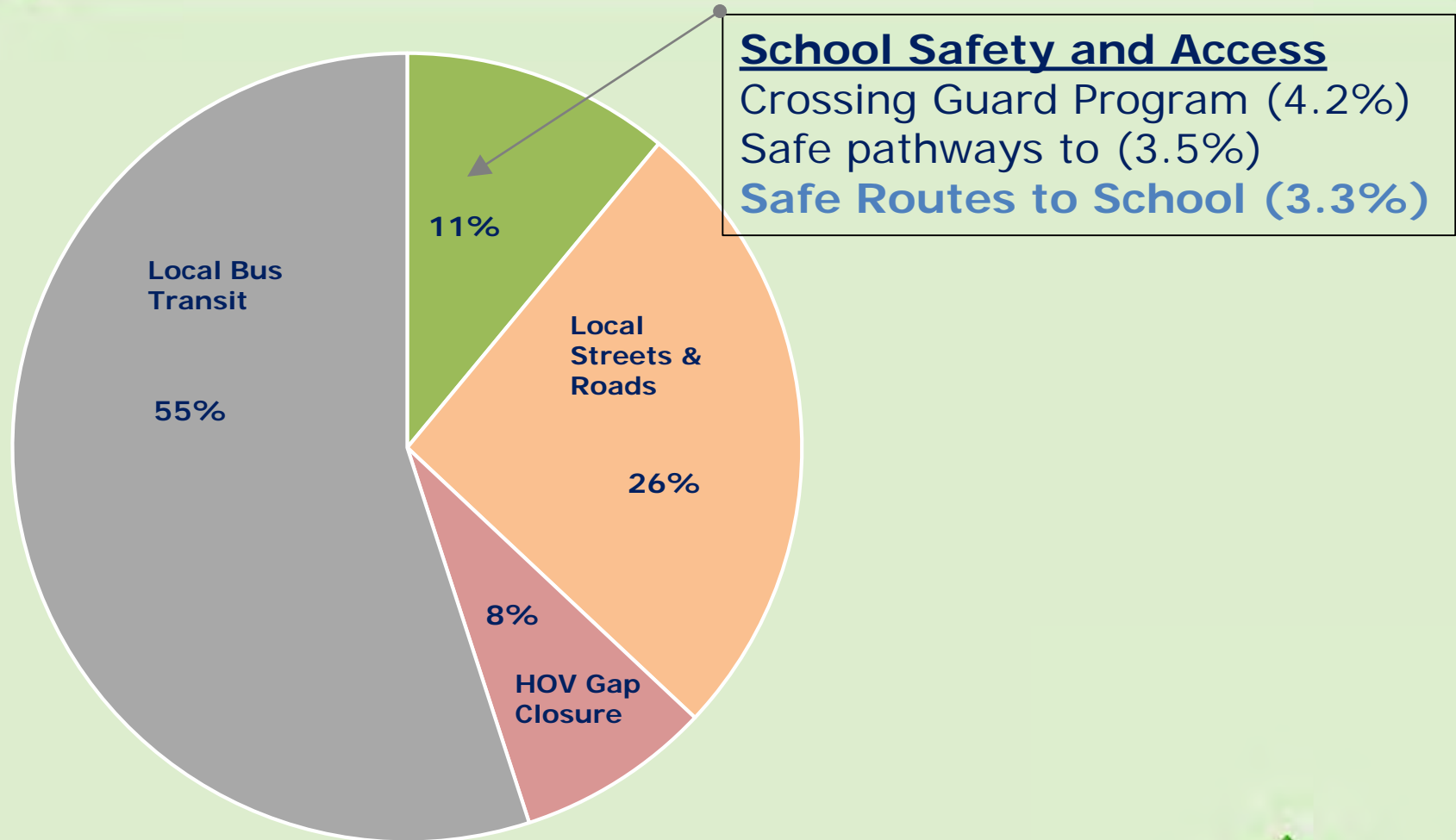
# Expenditure Plan Advisory Committee

August 23, 2017





# Measure A Funding Distribution



# What is Safe Routes to Schools?

- Award-winning program designed to instill **healthy habits in children** and promote a safer and **cleaner environment for all**.





# Who is Safe Routes?



Principal



Teacher



Public Works

# Who is Safe Routes?



Parents



Law Enforcement



Elected Officials



Task Forces

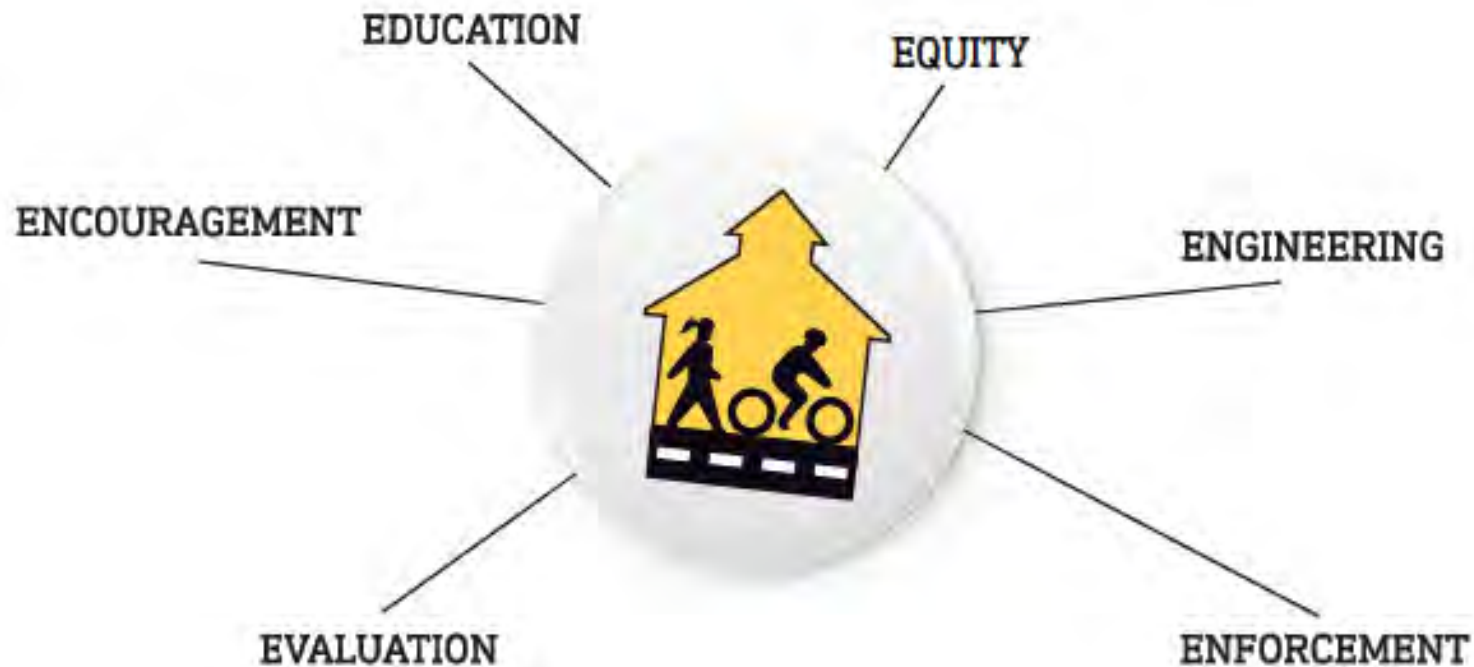
# Safe Routes to Schools Task Forces

Area	District Task Forces	Neighborhood Safe Streets Committees
Mill Valley	Mill Valley	Almonte*
Tiburon, Belvedere	Reed	
Ross, San Anselmo, Fairfax	Ross Valley	Butterfield, Oak Manor
Novato	Novato	
Kentfield	Kentfield	McAllister
San Rafael	San Rafael, Dixie	Terra Linda, Canal, Davidson
Larkspur, Corte Madera	Larkspur*, Corte Madera*	Cove
West Marin	West Marin	

*Note: \*New in 2016*



# SR2S Program Overview



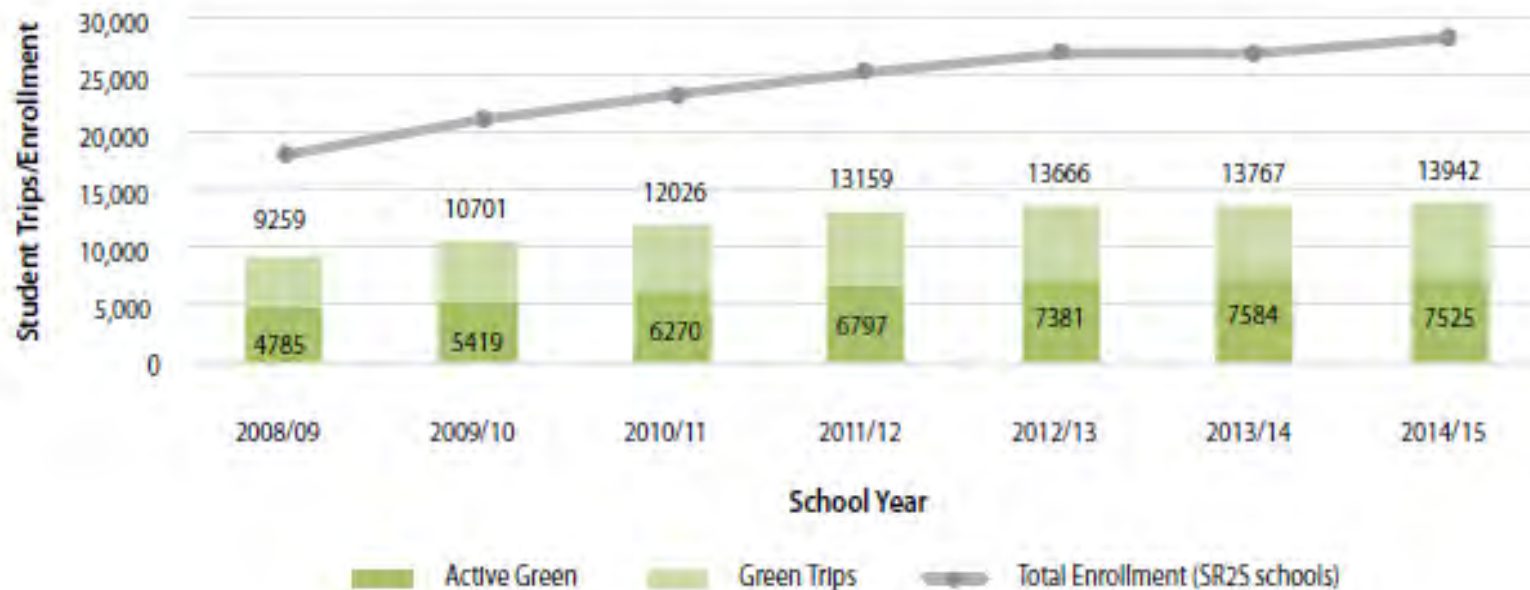




## Participating Schools

- 2000-2001 school year  
5 schools during the inaugural year
- 2016-2017 school year  
62 schools , 14 school districts

# Travel Mode Shift Summary



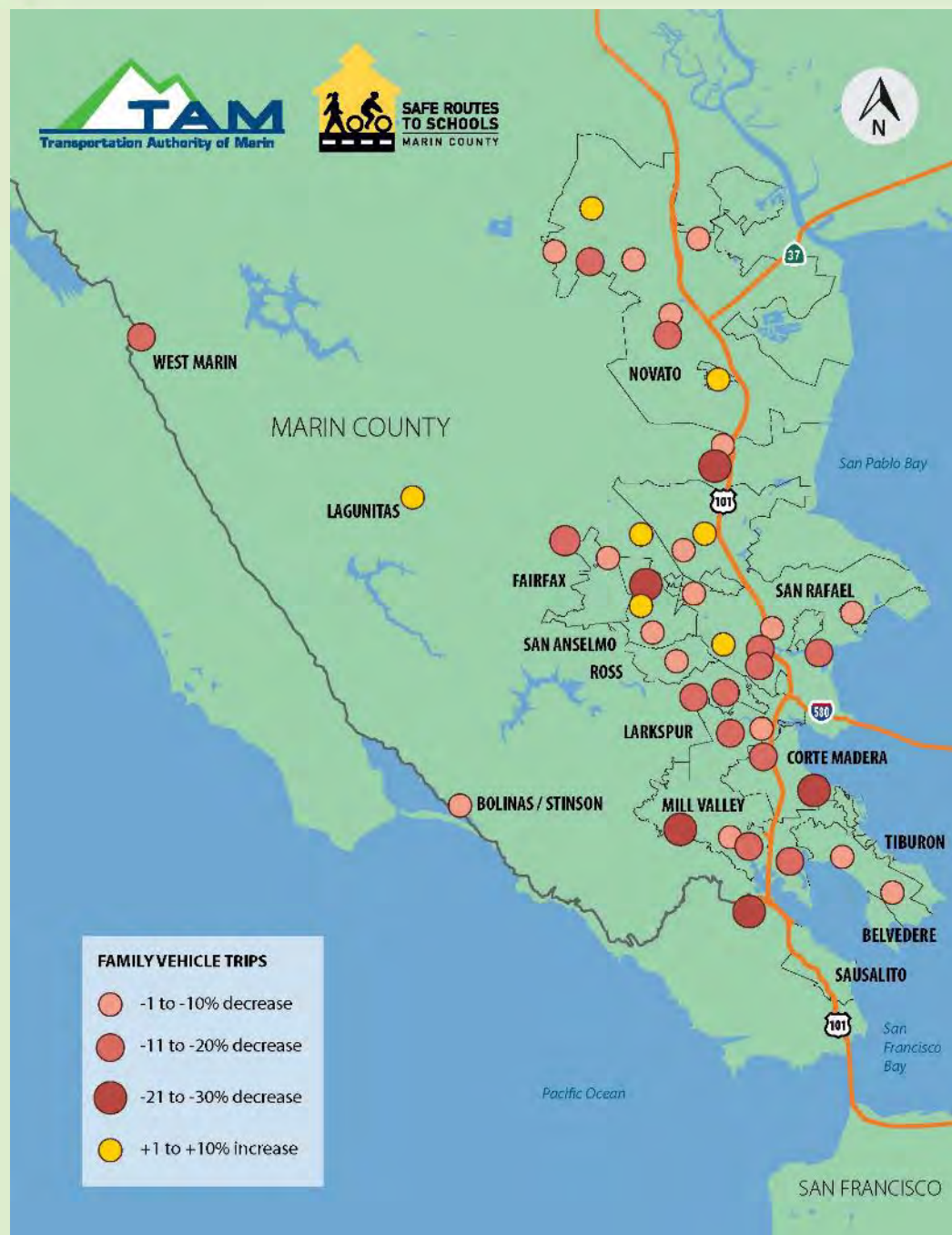
Active Green Trips	Green Trips	Vehicle Trips
<ul style="list-style-type: none"> <li>• Walk</li> <li>• Bicycle</li> <li>• Other</li> </ul>	<ul style="list-style-type: none"> <li>• Active Green</li> <li>• Carpool</li> <li>• School Bus</li> <li>• Transit</li> </ul>	<ul style="list-style-type: none"> <li>• Family Vehicle (single-student)</li> </ul>

# Green Trips Radius

- Successful safe routes to school programs compliment each other
- Active transportation ideal for neighborhood schools
- Rideshare and school busses encouraged for longer distances



Marin Safe Routes to School Evaluation, 2016.



## Changes to Family Vehicle Trips

- ▼ 1 to 10% decrease: 41%
- ▼ 11 to 20% decrease: 31%
- ▼ 21 to 30% decrease: 12%
- ▲ 1 to 10% increase: 16%



# Primary Green Trip Factors

- Administration
- Team Leader
- Education
- Encouragement
- Green Infrastructure
- Busing
- Crossing Guards
- Neighborhood Schools



# Encouragement Program

- Benefits
  - Effective Marketing
  - Turn-Key Implementation
  - Community Engagement





# Encouragement Program

- Success
  - Outreach to 50 Schools
  - 14,700 Students Walk, Bike, Carpool, Bus
  - Community Engagement
  - Retain Schools and Volunteers



# Bi-Lingual Program

- Benefits:
  - Dedicated Coordinator
  - Increased Health Value
    - Health Department
    - Food Bank
  - Walking School Buses
    - Increased Safety
    - Reduced Truancy and Absenteeism



# Education Program

- Benefits:
  - Provides professional, Certified Instructors
  - Develops competent walking and bicycling skills
  - Promotes parent Confidence
  - Attains administrator / teacher support





# Education Program

- Success:
  - 9,000 Students in Ped/Bike Classes
  - 500 Classes per Year



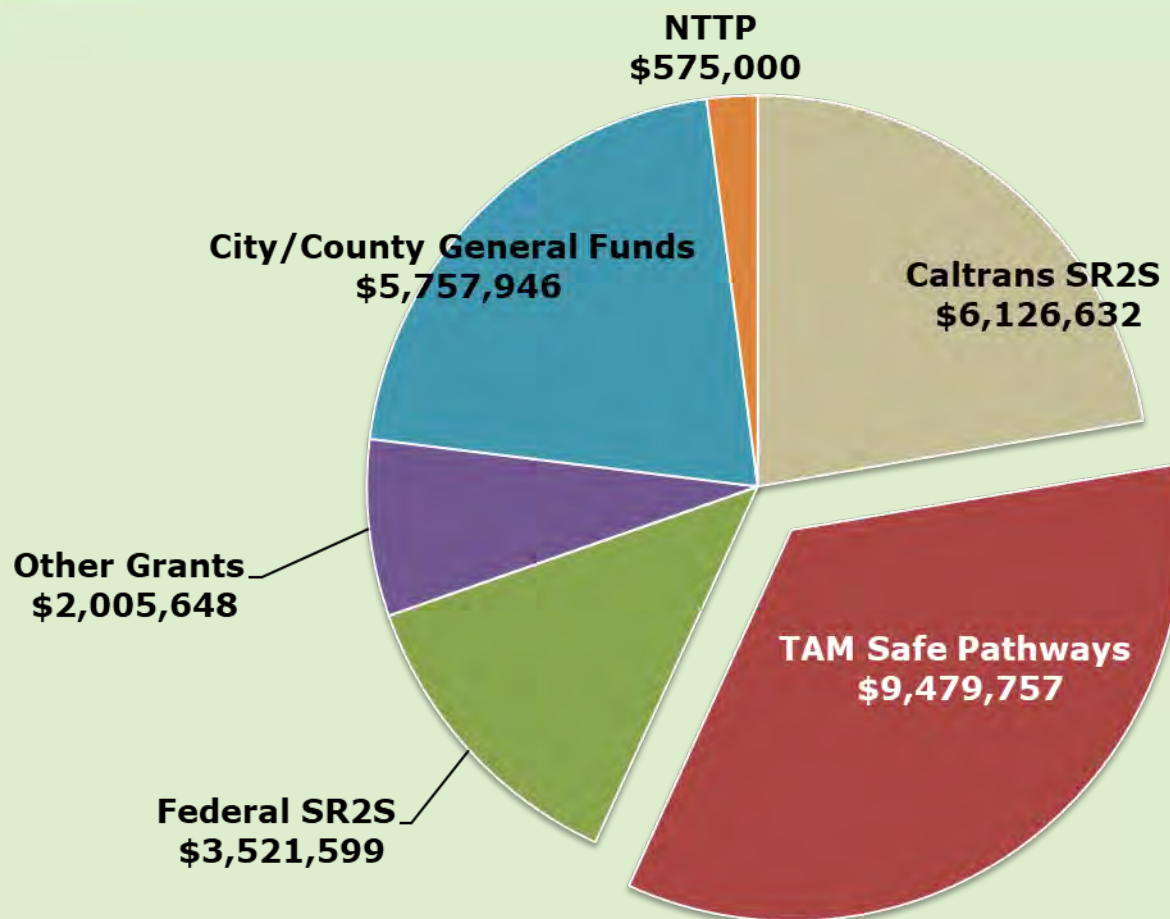
# Safe Pathways Infrastructure Grant Funding

- Safe Pathways Cycle 1 – 12 Projects, \$1.77 M
- Safe Pathways Cycle 2 – 13 Projects, \$2.04 M
- Safe Pathways Cycle 3 – 27 Projects, \$4.20 M
  - Small Project (<\$25,000) – 15 Projects, \$367,500
  - Large Project (Max \$350,000) – 12 Projects, \$3.83 M





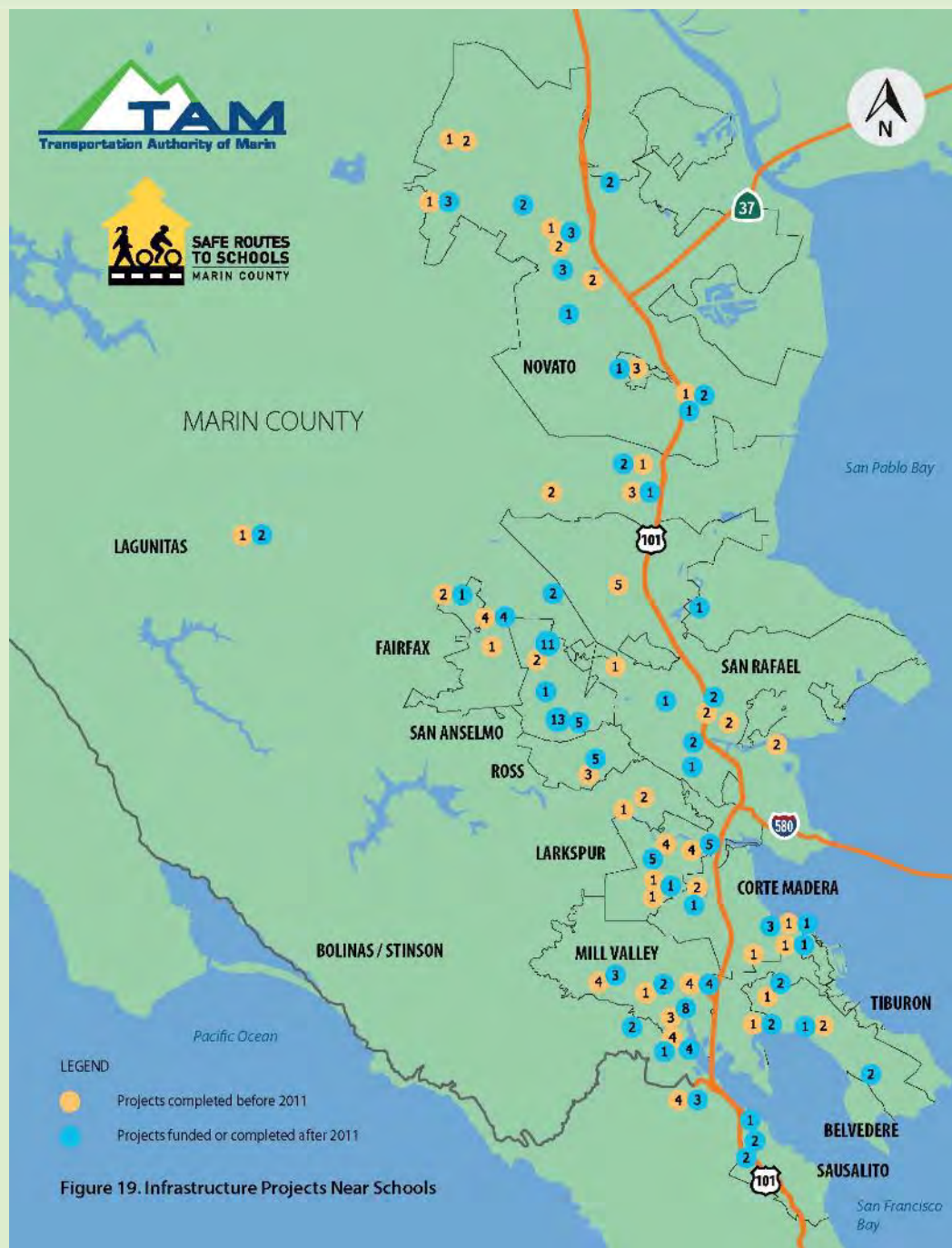
# Infrastructure Funding



*Note: Shows total project costs including matching funds.*

# Engineering

- School Area Signage
- Pedestrian Refuge Islands
- Pavement Markings
- New Traffic Controls
- Bicycle Lanes
- Multi-Use Pathways
- High-Visibility Crosswalks
- New Sidewalks
- Traffic Calming
- Rectangular Rapid Flashing Beacons
- Curb extensions and Curb Ramps
- Radar Speed Feedback Signs





# Pedestrian and Bicyclist Enhancements





# Pedestrian and Bicyclist Enhancements



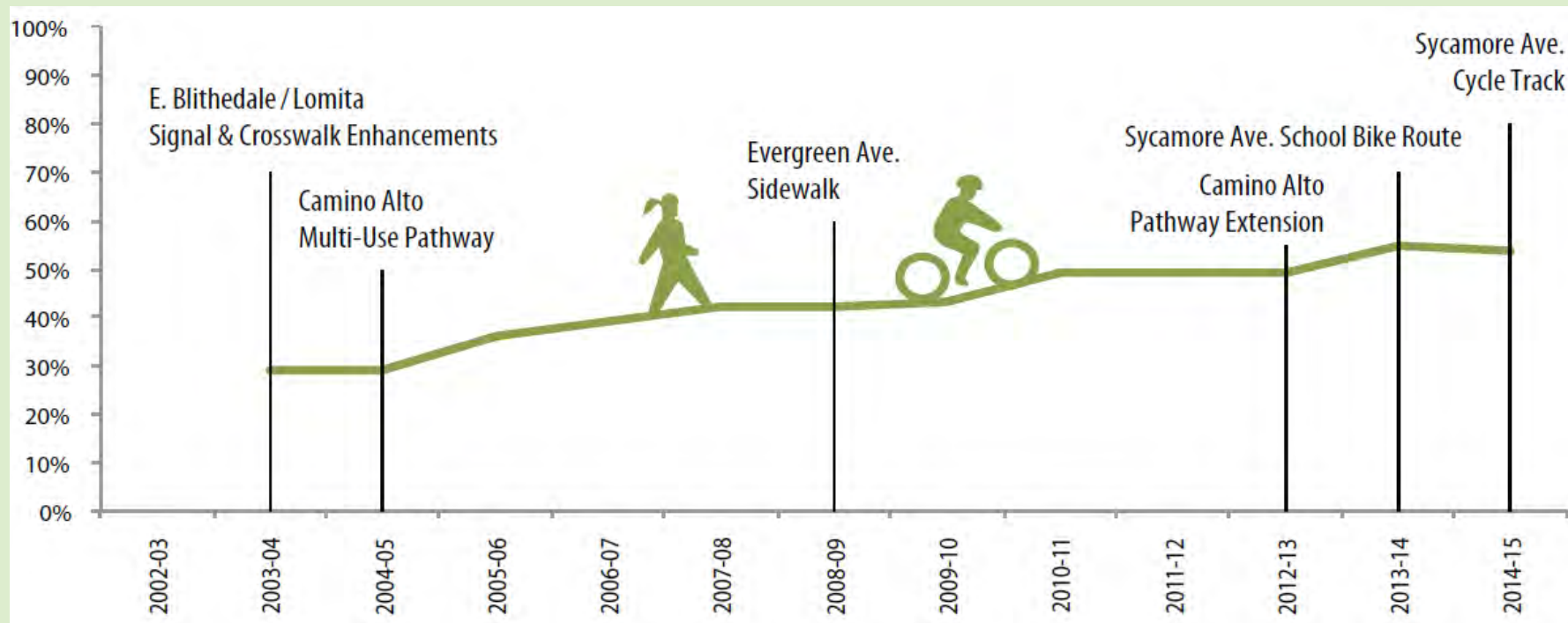


# Pedestrian and Bicyclist Enhancements



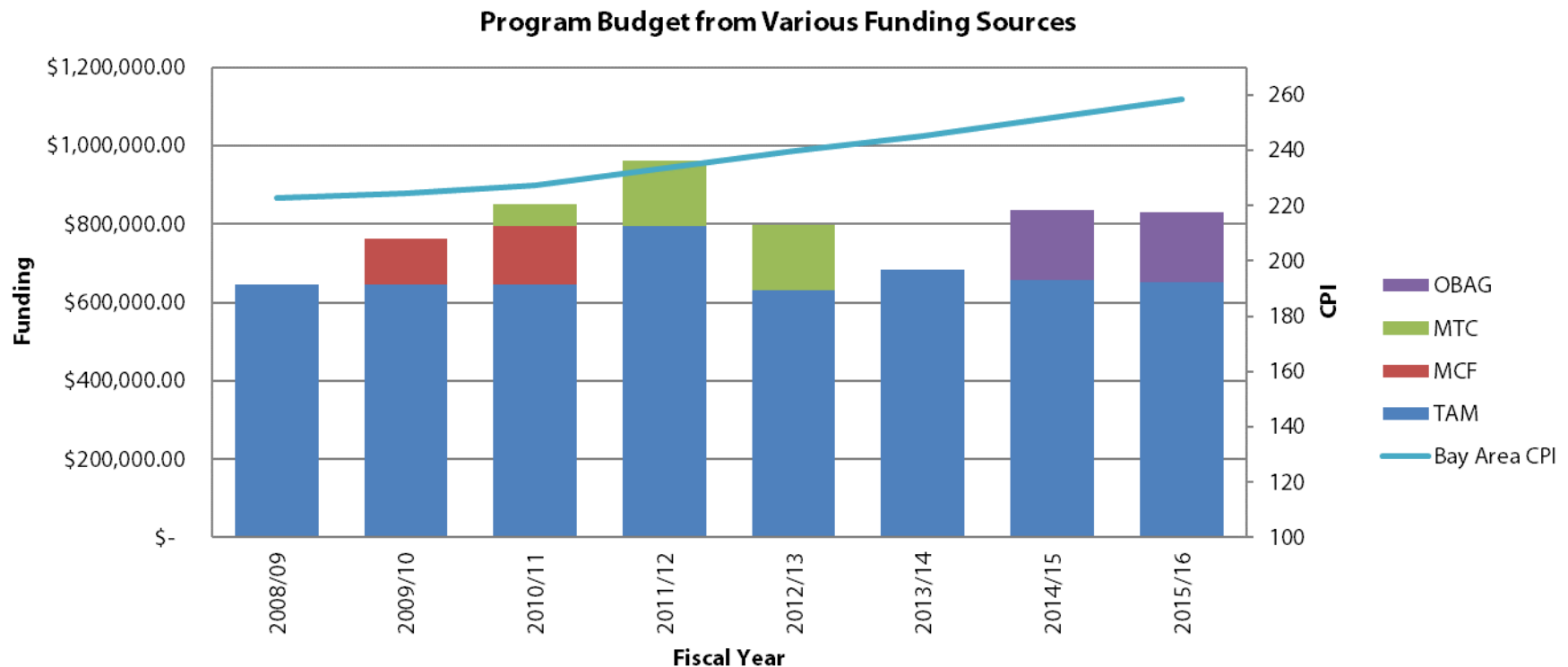
# Infrastructure Projects and Active Trips

## Example: Mill Valley Middle School



# Funding

## Program Budget from Various Funding Sources





# Other Potential Funding Sources

- Active Transportation Program
  - Francisco Boulevard East / Grand Avenue Bridge Pedestrian and Bicycle Connectivity Project (\$4.2 M Fully Funded)
  - Central Marin Regional Pathways Gap Closure (\$2.9 M Applied)
- One Bay Area Grant (OBAG)
  - \$865,000 over 5 years

# Upcoming Needs to Sustain the Program

- Provide Bicycle / Pedestrian Safety Classes
- Expand High School Outreach
- Execute Distracted Driving Campaigns
- Expand Bi-Lingual Program

# Upcoming Needs to Sustain the Program (Cont.)

- Host Walk and Roll Wednesdays
- Support Task Forces and Public Works
- Develop Suggested Routes to School Maps
- Support School Busing

Safe Routes to Schools

# Expenditure Plan Advisory Committee

August 23, 2017





# Ranked List of TAM Marin County School Crossing Guard Locations

Updated March 2017

Rank	TAM Site No.	Location	City/Community	Notes:	Type of Control (Primary Crossing)	Criteria No. 1 Score (Veh. Volume)	Criteria No. 2 Score (Ped. Volume)	Criteria No. 3 Score (Skew Angle)	Criteria No. 4 Score (Stopping Sight Distance)	Criteria No. 5 Score (Horiz. Curve)	Criteria No. 6 Score (Speed Limit)	Criteria No. 7 Score (Other Factors)	Weighted Score
						2	5	1	10	5	2	5	
1	32	Bahia Way & Kerner Blvd	San Rafael		Stop Sign	15	20	0	1	0	0	1	145
2	107	Sunset Parkway & Merritt Dr	Novato		Uncontrolled	20	20	1	0	0	0	0	141
3	3	Nova Albion Way at Vallecito School	San Rafael		Uncontrolled	20	20	0	0	0	0	0	140
4	12	Doherty Dr at Piper Park Crosswalk	Larkspur		Uncontrolled	20	20	0	0	0	0	0	140
5	42	Sir Francis Drake Blvd & Oak Tree Lane	Fairfax		Uncontrolled	20	20	0	0	0	0	0	140
6	136	Tiburon Blvd & Mar West St	Tiburon		Uncontrolled	20	18	1	0	0	1	1	138
7	65	Sir Francis Drake Blvd & Marinda Dr	Fairfax		Uncontrolled	20	19	0	0	0	1	0	137
8	44	Center Rd & Leland Dr	Novato		Uncontrolled	17	20	0	0	0	0	0	134
9	14	E Blithedale & Lomita Ave	Mill Valley		Signal	11	20	2	0	0	2	1	133
10	46	Sutro Ave & Dominic Dr	Novato		Uncontrolled	16	20	1	0	0	0	0	133
11	53	Paladini & Vineyard	Novato		Stop Sign	11	20	0	1	0	0	0	132
12	68	Sunset Pkwy & Ignacio Blvd	Novato		Stop Sign	11	20	0	0	0	2	1	131
13	37	Knight Dr & Ashwood Ct	San Rafael		Uncontrolled	15	20	0	0	0	0	0	130
14	16	E Strawberry Dr at Strawberry School	Marin County		Uncontrolled	13	20	3	0	0	0	0	129
15	24	Lagunitas & Ross Common	Ross		Uncontrolled	14	20	1	0	0	0	0	129
16	121	Sir Francis Drake & Glen Dr	Fairfax		Uncontrolled	20	17	0	0	0	2	0	129
17	41	Oak Manor (mid-block at school)	Fairfax		Uncontrolled	14	20	0	0	0	0	0	128
18	19	Camino Alto & Sycamore Ave	Mill Valley		Signal	8	20	1	1	0	0	0	127
19	101	One Main Gate Road at School	Novato		Uncontrolled	15	17	0	1	0	0	0	125
20	21	Tiburon Blvd & Lyford Dr	Tiburon		Signal	11	20	2	0	0	0	0	124
21	119	Miller Ave & Evergreen Ave	Mill Valley		Uncontrolled	20	16	0	0	0	1	0	122
22	134	Ross Common (at Post Office)	Ross		Uncontrolled	18	15	0	1	0	0	0	121
23	118	Woodland Ave & Lindaro St	San Rafael		Stop Sign	10	20	0	0	0	0	0	120
24	123	Sutro Ave (in front of Pleasant Vly Elementary)	Novato		Uncontrolled	10	20	0	0	0	0	0	120
25	54	Wilson & Vineyard	Novato		Stop Sign	11	19	3	0	0	0	0	120
26	27	Butterfield Rd & Green Valley Court	Sleepy Hollow		Uncontrolled	9	20	0	0	0	0	0	118
27	18	Tiburon Blvd & Blackfield Dr	Tiburon		Uncontrolled	8	20	0	0	0	0	0	116
28	50	San Ramon Way & San Benito Way	Novato		Stop Sign	8	20	0	0	0	0	0	116
29	108	Lovell Ave & Old Mill St	Mill Valley		Uncontrolled	8	20	0	0	0	0	0	116
30	36	177 N San Pedro Road	Santa Venitia		Uncontrolled	20	15	0	0	0	0	0	115
31	43	Center Rd & Wilson Ave	Novato		Stop Sign	10	18	1	0	0	1	0	113
32	34	Bahia Way at School Entrance	San Rafael		Uncontrolled	6	20	0	0	0	0	0	112
33	35	Kerner Blvd & Canal St	San Rafael		Stop Sign	6	20	0	0	0	0	0	112
34	60	Sunset Pkwy & Lynwood Dr	Novato		Uncontrolled	6	20	0	0	0	0	0	112
35	23	Lagunitas & Allen Avenue	Ross		Stop Sign	12	17	2	0	0	0	0	111
36	122	Miller Ave & Almonte Blvd	Mill Valley		Uncontrolled	20	13	0	0	0	3	0	111
37	17	Bell Lane & Enterprise Concourse	Mill Valley		Stop Sign	5	20	0	0	0	0	0	110
38	39	5th Ave & River Oaks Dr	San Rafael		Uncontrolled	4	20	2	0	0	0	0	110
39	57	Mohawk (in front of Neil Cummins School)	Corte Madera	Note 1 & 5	Uncontrolled	5	20	0	0	0	0	0	110
40	145	San Ramon Way and San Juan Court	Novato	Note 2	Uncontrolled	5	20	0	0	0	0	0	110
41	40	Happy Lane & 5th Ave	San Rafael		Uncontrolled	4	20	1	0	0	0	0	109

# Ranked List of TAM Marin County School Crossing Guard Locations

Updated March 2017

Rank	TAM Site No.	Location	City/Community	Notes:	Type of Control (Primary Crossing)	Criteria No. 1 Score (Veh. Volume)	Criteria No. 2 Score (Ped. Volume)	Criteria No. 3 Score (Skew Angle)	Criteria No. 4 Score (Stopping Sight Distance)	Criteria No. 5 Score (Horiz. Curve)	Criteria No. 6 Score (Speed Limit)	Criteria No. 7 Score (Other Factors)	Weighted Score
						Scoring Weight							
						2	5	1	10	5	2	5	
42	130	Shoreline Highway & Pine Hill Road	Tamalpais Valley		Uncontrolled	20	9	0	1	0	2	2	109
43	10	Tam Racket Club & Doherty Rd	Larkspur		Signal	3	20	0	0	0	0	0	106
44	61	Karen Way (in front of school)	Tiburon		Uncontrolled	3	20	0	0	0	0	0	106
45	74	Hickory Ave (near Mohawk)	Corte Madera		Uncontrolled	3	20	0	0	0	0	0	106
46	13	Magnolia Ave & King St	Larkspur		Stop Sign	20	13	0	0	0	0	0	105
47	56	Avenida Mireflores at School	Tiburon		Uncontrolled	12	16	0	0	0	0	0	104
48	106	Adams St & Johnson St	Novato		Stop Sign	1	20	1	0	0	0	0	103
49	124	Olive Avenue (in back of school)	Novato		Uncontrolled	14	15	0	0	0	0	0	103
50	5	Sir Francis Drake Blvd & Laurel Grove Ave	Kentfield		Uncontrolled	1	20	0	0	0	0	0	102
51	7	College Ave & Stadium Way	Kentfield		Signal	0	20	2	0	0	0	0	102
52	110	Belle Ave (in front of school)	San Rafael		Uncontrolled	5	18	0	0	0	0	0	100
53	132	San Benito Way & San Ramon Way (south)	Novato		Uncontrolled	7	17	0	0	0	0	0	99
54	20	Tiburon Blvd & Avenida Mireflores	Tiburon		Signal	6	16	1	0	0	3	0	99
55	63	Las Gallinas & Elvia Ct	Marinwood		Stop Sign	20	11	0	0	0	0	0	95
56	102	Wilson Ave at X-walk to field	Novato		Uncontrolled	12	14	0	0	0	0	0	94
57	52	Alameda De La Loma & Calle De La Mesa	Ignacio		Stop Sign	3	15	1	1	0	0	0	92
58	86	Tiburon Blvd & Kleinert Way	Tiburon		Uncontrolled	20	9	0	0	0	3	0	91
59	6	College Ave & Woodland Ave (East Side)	Kentfield		Stop Sign	20	10	0	0	0	0	0	90
60	70	Front of School	Bolinas		Uncontrolled	1	17	0	0	0	1	0	89
61	143	South Novato Blvd & Lark Ct	Novato	Note 2	Uncontrolled	20	5	0	1	0	3	1	86
62	137	Spindrift Passage & Prince Royal Passage	Corte Madera		Uncontrolled	3	16	0	0	0	0	0	86
63	59	Butterfield Rd (in front of School)	San Anselmo		Stop Sign	20	9	0	0	0	0	0	85
64	140	Highway 1 (in front of West Marin School)	Point Reyes Station	Note 2	Uncontrolled	20	4	0	2	0	0	1	85
65	142	Tiburon Blvd & San Rafael Ave	Tiburon	Note 2	Signal	6	8	4	2	0	3	0	82
66	2	Las Gallinas & Miller Creek Rd	Marinwood		Stop Sign	5	12	0	1	0	0	0	80
67	127	Redwood Hwy & S.B. Seminary Dr Ramp	Mill Valley		Stop Sign	20	6	1	0	0	2	1	80
68	147	McAllister Avenue and Stadium Way	Kentfield	Note 2	Uncontrolled	5	13	0	0	0	0	1	80
69	4	Nova Albion Way & Arias Street	San Rafael		Signal	1	15	0	0	0	0	0	77
70	126	Shoreline Hwy & Almonte Blvd	Tamalpais Valley		Signal	19	5	0	0	0	2	2	77
71	87	Tiburon Blvd & Stewart Dr (Site is at Trestle Glen)	Tiburon	Note 1	Uncontrolled	20	6	0	0	0	3	0	76
72	75	Magnolia Ave & Wilshire Ave	Larkspur		Uncontrolled	20	7	1	0	0	0	0	76
73	33	N San Pedro & Roosevelt	Santa Venitia		Uncontrolled	20	7	0	0	0	0	0	75
74	1	Mt Shasta & Idylberry	Lucas Valley		Stop Sign	5	13	0	0	0	0	0	75
75	77	E Blithedale & Elm Ave	Mill Valley		Signal	2	11	1	1	0	0	1	75
76	30	Sir Francis Drake Blvd & Tamal Ave	San Anselmo		Signal	4	12	0	0	0	1	1	75
77	9	Sir Francis Drake Blvd & College Ave	Kentfield		Signal	17	7	2	0	0	2	0	75
78	104	Center Rd & Tamalpais Ave	Novato		Stop Sign	9	9	0	1	0	0	0	73
79	15	Throckmorton Ave & Old Mill St	Mill Valley		Stop Sign	6	12	0	0	0	0	0	72
80	64	Lomita Dr (in front of Edna Maguire School)	Mill Valley		Stop Sign	6	12	0	0	0	0	0	72
81	48	S Novato Blvd & Yukon Way	Novato		Uncontrolled	20	4	0	0	0	3	1	71
82	103	Tinker Way (Site is actually Arthur and Cambridge)	Novato	Note 1	Uncontrolled	3	13	0	0	0	0	0	71

# Ranked List of TAM Marin County School Crossing Guard Locations

Updated March 2017

Rank	TAM Site No.	Location	City/Community	Notes:	Type of Control (Primary Crossing)	Criteria No. 1 Score (Veh. Volume)	Criteria No. 2 Score (Ped. Volume)	Criteria No. 3 Score (Skew Angle)	Criteria No. 4 Score (Stopping Sight Distance)	Criteria No. 5 Score (Horiz. Curve)	Criteria No. 6 Score (Speed Limit)	Criteria No. 7 Score (Other Factors)	Weighted Score
						Scoring Weight							
						2	5	1	10	5	2	5	
83	78	Ricardo Ln & E Strawberry Dr	Marin County		Uncontrolled	6	11	3	0	0	0	0	70
84	105	Center Rd & Diablo Ave	Novato	Note 4	Stop Sign	14	8	0	0	0	1	0	70
85	128	Redwood Hwy & DeSilva Dr (at POC)	Marin County		Signal	4	9	3	0	1	2	1	70
86	22	Tiburon Blvd & Trestle Glen	Tiburon	Note 3	Signal	5	9	2	0	1	3	0	68
87	81	Melrose Ave & Evergreen Ave	Tamalpais Valley		Uncontrolled	5	11	1	0	0	0	0	66
88	131	Kleinert Way & Neds Ave	Tiburon		Uncontrolled	8	9	0	0	0	0	1	66
89	45	S Novato Blvd & Sunset Pkwy	Novato	Note 4	Signal	5	10	0	0	0	2	0	64
90	117	E Blithedale & Buena Vista Ave	Mill Valley		Stop Sign	11	8	2	0	0	0	0	64
91	49	San Marin Dr & San Ramon Way	Novato	Note 4	Stop Sign	20	4	0	0	0	2	0	64
92	146	Almonte Boulevard and Rosemont Avenue	Tamalpais Valley		Uncontrolled	20	2	4	0	0	2	1	63
93	62	Blackstone & Las Gallinas	Marinwood	Note 4	Stop Sign	6	10	0	0	0	0	0	62
94	79	Gibson & Shoreline	Tamalpais Valley		Signal	3	9	1	0	0	2	1	61
95	113	Sir Francis Drake Blvd & Manor Rd	Kentfield		Uncontrolled	4	10	0	0	0	0	0	58
96	72	Nova Albion Way & Las Gallinas Ave	San Rafael		Signal	14	6	0	0	0	0	0	58
97	114	Sir Francis Drake Blvd & Bon Air Rd	Kentfield		Signal	16	2	0	1	0	3	0	58
98	25	Sir Francis Drake Blvd & Lagunitas	Ross		Signal	3	10	1	0	0	0	0	57
99	82	Tiburon Blvd & E Strawberry Dr	Marin County		Uncontrolled	4	3	0	2	0	2	2	57
100	120	San Marin Dr & San Carlos Way	Novato		Stop Sign	20	2	0	0	0	1	1	57
101	94	Woodland Ave & Lovell Ave	San Rafael		Uncontrolled	4	9	3	0	0	0	0	56
102	67	Sir Francis Drake Blvd & Butterfield Rd	San Anselmo		Signal	10	7	0	0	0	0	0	55
103	93	Woodland Ave & Eva	San Rafael		Stop Sign	10	7	0	0	0	0	0	55
104	99	Bellam Blvd & Anderson Dr	San Rafael		Signal	20	2	1	0	0	2	0	55
105	135	Paradise Drive at Seawolf Passage	Corte Madera	Notes 2 & 4	Signal	1	10	1	0	0	1	0	55
106	55	W Castlewood Dr & Knight Dr	San Rafael	Note 5	Stop Sign	6	8	2	0	0	0	0	54
107	84	Richmond & Belle	San Anselmo		Uncontrolled	4	9	0	0	0	0	0	53
108	95	Racquet Club Dr & 5th Ave	San Rafael		Stop Sign	10	4	3	1	0	0	0	53
109	91	Sir Francis Drake Blvd & Saunders Ave	San Anselmo		Uncontrolled	20	2	0	0	0	1	0	52
110	58	Tamalpais Dr & Eastman Ave	Corte Madera	Note 3	Signal	2	8	0	0	0	1	1	51
111	98	Bellam Blvd & I-580 off ramp	San Rafael		Signal	10	4	0	0	0	5	0	50
112	71	Marinwood Ave & Miller Creek Rd	Marinwood		Stop Sign	20	2	0	0	0	0	0	50
113	97	Bellam Blvd & I-580 on ramp	San Rafael		Signal	20	1	1	0	0	2	0	50
114	100	Olive Ave & Summers Ave	Novato		Uncontrolled	1	9	1	0	0	0	0	48
115	66	Ross & Kensington	San Anselmo		Stop Sign	4	8	0	0	0	0	0	48
116	139	Sutro Avenue & Center Road	Novato		Stop Sign	14	3	0	0	1	0	0	48
117	109	Nova Albion & Monticello	San Rafael		Stop Sign	16	3	0	0	0	0	0	47
118	47	Arthur & Cambridge St	Novato	Note 3	Stop Sign	10	3	0	1	0	0	0	45
119	51	Diablo Ave & Hotchkin Dr	Novato		Uncontrolled	14	3	0	0	0	0	0	43
120	116	Golden Hind Passage (in front of school)	Corte Madera		Uncontrolled	5	6	2	0	0	0	0	42
121	83	Evergreen Ave & Ethel Ave	Tamalpais Valley		Stop Sign	3	7	0	0	0	0	0	41
122	73	Sir Francis Drake Blvd & Meadow Way	San Geronimo		Uncontrolled	15	1	0	0	0	2	0	39
123	133	Arthur Street & Taft Court/Tyler Street	Novato		Uncontrolled	14	2	0	0	0	0	0	38

# Ranked List of TAM Marin County School Crossing Guard Locations

Updated March 2017

Rank	TAM Site No.	Location	City/Community	Notes:	Type of Control (Primary Crossing)	Criteria No. 1 Score (Veh. Volume)	Criteria No. 2 Score (Ped. Volume)	Criteria No. 3 Score (Skew Angle)	Criteria No. 4 Score (Stopping Sight Distance)	Criteria No. 5 Score (Horiz. Curve)	Criteria No. 6 Score (Speed Limit)	Criteria No. 7 Score (Other Factors)	Weighted Score
						2	5	1	10	5	2	5	
124	115	Sir Francis Drake Blvd & S Eliseo Dr	Kentfield		Signal	7	3	2	0	0	3	0	37
125	89	Woodland (at back entrance of school)	San Anselmo		Uncontrolled	3	6	0	0	0	0	0	36
126	38	Woodland Ave & Siebel	San Rafael		Uncontrolled	3	6	0	0	0	0	0	36
127	85	Richmond & Mariposa	San Anselmo		Uncontrolled	3	6	0	0	0	0	0	36
128	26	Sir Francis Drake Blvd & Oak Manor	Fairfax		Signal	6	4	1	0	0	0	0	33
129	28	Sir Francis Drake Blvd & Broadmoor Ave	San Anselmo		Signal	0	4	1	1	0	1	0	33
130	141	Arias Street & Trellis Drive	San Rafael	Note 4	Uncontrolled	11	2	0	0	0	0	0	32
131	112	Grand Ave & Jewell St	San Rafael		Stop Sign	4	2	3	1	0	0	0	31
132	8	Sir Francis Drake Blvd & Wolfe Grade	Kentfield	Note 4	Signal	6	3	1	0	0	1	0	30
133	31	Sir Francis Drake Blvd & Barber Ave/Ross Ave	San Anselmo		Signal	2	5	0	0	0	0	0	29
134	129	Marin St & Bayview St	San Rafael		Stop Sign	4	4	0	0	0	0	0	28
135	69	Olema-Bolinas Rd & Mesa	Bolinas		Stop Sign	4	3	1	0	0	2	0	28
136	80	Montford Ave & Melrose Ave	Tamapais Valley		Stop Sign	4	2	0	1	0	0	0	28
137	11	Corte Madera & Tamapais Dr (& Redwood)	Corte Madera		Signal	1	5	0	0	0	0	0	27
138	92	Sequoia & Miracle Mile	San Anselmo		Signal	3	3	0	0	0	2	0	25
139	90	Sir Francis Drake Blvd & Aspen Court	San Anselmo		Signal	2	3	0	0	0	1	0	21
140	111	Lincoln Ave & Paloma (east side of Lincoln)	San Rafael		Signal	1	3	0	0	0	2	0	21
141	76	Harvard Ave & Wellesley	Tamapais Valley		Uncontrolled	7	1	1	0	0	0	0	20
142	29	Sir Francis Drake Blvd & Bolinas Ave	San Anselmo		Signal	3	1	0	0	0	1	1	18
143	88	Blackfield Dr & Karen Way	Tiburon		Stop Sign	6	1	0	0	0	0	0	17
144	144	Main Gate Road and C Street	Novato		Uncontrolled	4	1	2	0	0	1	0	17
145	96	Bellam Blvd & Francisco Blvd East	San Rafael		Signal	2	1	1	0	0	0	1	15
146	138	Arthur Street (in front of Novato High)	Novato	Note 4	Uncontrolled	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
147	125	Wilson Ave & Hansen Road	Novato		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0
<p>Note 1 = Location that will not receive a guard due to request from local Public Works</p> <p>Note 2 = New Location for 2016/2017 School Year</p> <p>Note 3 = Location requested by local works to be used at the "Note 1" location</p> <p>Note 4 = Location guarded by TAM on a reimbursed basis</p> <p>Note 5 = Location guarded by a contract administered directly by School District</p>													





**I. TAM Success at addressing Congestion through leveraging of Local Transportation Dollars**

**II. Status of Enacted SB 1 ( Beall) :  
Road Repair and Accountability Act of 2017**

**III. Status of SB 595 ( Beall) Under consideration-  
Regional Measure 3 Toll Increase-**

The 2004 Measure A ½-cent transportation sales yielded \$25m for the Hwy 101 unfinished 3.2 miles of Carpool Lane/Bikepath/Soundwalls through Central San Rafael

## Measure A Local Transportation Sales Tax- Expenditure Plan Components

### ½ cent sales tax for 20 years

Implementation Strategy	% of Measure A Funds	Est. 20-year Revenue (\$ Millions)
1. <b>Develop a seamless <u>local bus transit</u> system</b> that improves mobility and serves community needs, including special transit for seniors and the disabled (paratransit services).	55%	\$182.38
2. <b>Fully fund and ensure the accelerated completion of the Highway 101 <u>Carpool Lane</u> Gap Closure Project</b> through San Rafael.	7.5%	\$24.87
3. <b>Maintain, improve, and manage Marin County's local transportation infrastructure</b> , including roads, <u>bikeways</u> , <u>sidewalks</u> , and <u>pathways</u> .	26.5%	\$87.87
4. <b>Reduce school related congestion</b> and provide <u>safer access to schools</u> .	11%	\$36.48
<b>TOTAL</b>	<b>100%</b>	<b>\$331.6 M</b>

Funds for Highway 101 were capped at \$25 mil., even though 7.5% would have ultimately yielded more than \$25 mil – there was a moment in 2003 when the shortfall in the project was only \$25mil.....



# Highway 101 Gap Closure carpool lane thru San Rafael

## Construction Funding

### Segment 1: Corte Madera Creek Project Completed 2006

	\$3,470,000
RIP	\$6,227,000
CMAQ	\$823,000
TCRP	\$10,520,000
Total	

### Segment 2: Calpark Hill Project Completed Winter 2004

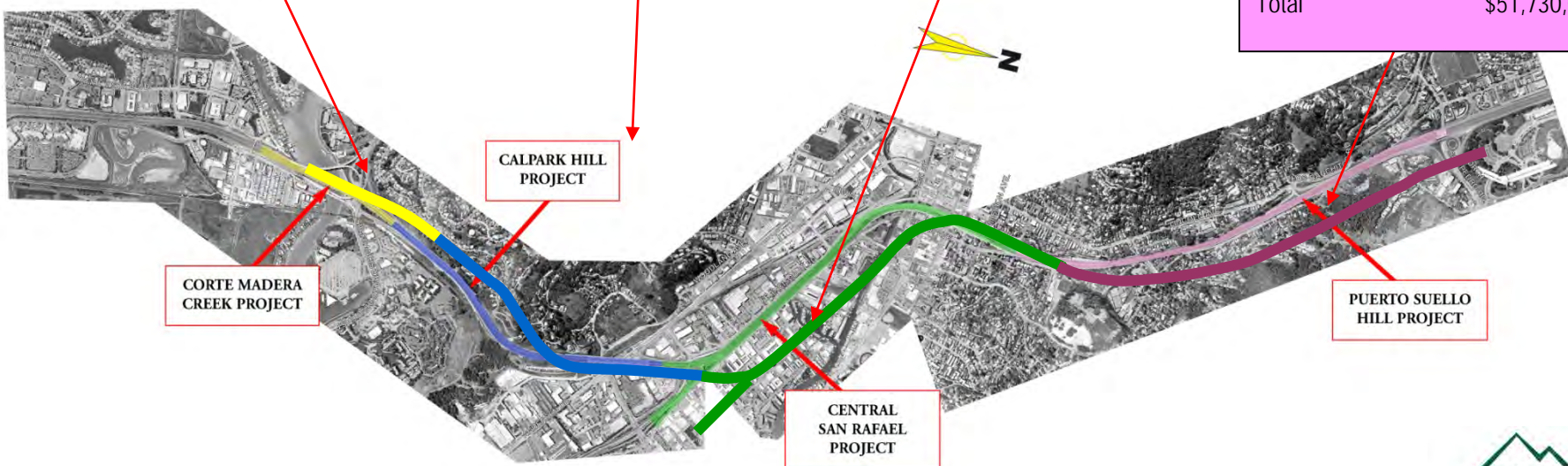
IIP	\$7,885,000
RIP	\$524,000
TCRP	\$688,000
Total	\$9,097,000

### Segment 3: Central San Rafael Project Advertised Dec 2005, Complete February 2009

RIP	\$28,424,989
TCRP	\$10,125,000
SHOPP	\$12,450,000
STIP	\$2,172,200
CMAQ	\$1,127,000
City of San Rafael	\$575,700
Total	\$54,874,889

### Segment 4: Puerto Suello Hill Project Advertised May 2007 Completed Dec 2011 (lane opened March 2011)

STIP	\$10,346,000
CMAQ	\$20,173,000
RIP	\$2,065,000
City of San Rafael	\$1,050,000
TFCA	\$520,000
RBPP Swap	\$880,000
TE (Meas. A Swap)	\$2,432,000
STP (Meas. A Swap)	\$3,480,000
Measure A	\$10,559,000
Measure A Interest	\$225,000
Total	\$51,730,000



The Local transportation funds - \$25 million from our ½ cent transportation sales tax- leveraged nearly \$100 million in other state and federal funding

This included covering increased costs for the Highway 101 Gap Closure Segment 3 and Segment 4 projects beyond the \$25 million estimated in 2003

The Local funds also enabled the capturing of statewide competitive grant funds of \$20 mil to widen the I-580 eastbound to Hwy 101 Northbound Connector at Bellam





Building the SMART tracks, multi-use path, and carpool lane over Lincoln Hill before....





and after.....





# Widening the I-580 Connector to Hwy 101





Neither SB1's Competitive Grant programs NOR the Regional Measure 3 Toll Increase will completely fund the projects Marin needs to complete to address traffic congestion with multi-modal improvements

Local Transportation Funds are clearly needed to bring to the table the State funds available under SB1 grants, and the Regional Toll Funds available under the RM3 toll legislation

The current Measure A ½ cent Transportation Sales Tax has no funds in it for our current congestion relief needs



# Senate Bill 1 - How to Generate \$5.24 Billion Annually:

## Taking effect November 1<sup>st</sup> 2017

- A 12-cent-a-gallon increase on gas excise tax
- A 20-cent-a-gallon increase in diesel excise tax
- An additional 4 percent increase in sales and use tax on diesel

## Taking effect January 1<sup>st</sup>, 2018

- An increase in the Vehicle Registration Fee, ranging from \$25 to \$175 depending on the value of the vehicle

## Taking effect July 1<sup>st</sup>, 2020

- A new annual \$100 fee on electric vehicles

# Programs Included in Senate Bill 1

Local Streets and Roads
Transit & Intercity Rail Program
State Transit Assistance
Local Partnership Program
Active Transportation Program
Local planning Grants
SHOPP/Maintenance
Bridges & Culverts
Congested Corridors
Trade Corridors
Dept. of Parks & Recreation
Freeway Service Patrol
Dept. of Food & Agriculture
CSU & UC Research
Workforce Development Board

Funding under SB1 is either distributed by formula, or is subject to a competitive grant process.

There are funds guaranteed to Marin in several areas:

- Local Streets and Roads
- State Transit Assistance ( partial)
- Local Partnership Program ( partial)

Remaining programs are competitive grants.

Some programs are decided wholly by State agencies – SHOPP  
Dept of Parks and Rec, Dept of Food and Agriculture



# Funding for Local Streets and Roads

	FY16/17 Baseline Gas Tax Funds	FY18/19 Estimated SB 1 Increase	Combined Total (in 1000's)
Belvedere	46.8	44.0	90.8
Corte Madera	191.2	174.6	365.8
Fairfax	155.1	140.2	295.3
Larkspur	247.8	231.4	479.2
Mill Valley	288.5	275.4	563.9
Novato	1,054.5	999.0	2,053.5
Ross	54.1	50.6	104.7
San Anselmo	254.1	239.0	493.1
San Rafael	1,164.2	1,104.3	2,268.5
Sausalito	148.6	136.2	284.8
Tiburon	185.6	177.4	363.0
County	4,689.5	4,265.1	8,954.6
Total	8,479.9	7,837.3	16,317.2

**NOTE:** The Marin ½ cent transportation sales tax made available to our 12 jurisdictions \$3.3 mil in Local Infrastructure funds as annual available in June 2017 covering FY 2017-18

**NOTE:** The Marin \$10 Annual vehicle registration fee for transportation made available a 3-year total of \$2.5 mil in 2016, or approx. \$835,000 annually

Source: MTC



# Funding from State Transit Assistance Program

- Administered by Cal State Transportation Agency
- Approximate State Transit Assistance (STA) Funds (Revenue Base) Annual Increase
  - Marin Transit - \$600,000 (starting in FY 18/19)
  - GGBHTD - \$3,212,000 (starting in FY 18/19)
- Approximate STA Funds Annual Increase for Transit Capital (FY 17/18)
  - Marin Transit - \$251,000
  - GGBHTD - \$1,349,000



# Funding for Local Partnership Program

- 50% competitive for 2 years- administered by California Transportation Commission
- 50% sent to all counties with Local Transportation Sales Tax by formula
  - Marin share coming to TAM annually approx. \$600,000 to \$1,000,000- TBD





# Highest likelihood of successful competition for grants

## Congested Corridors Program

- Five sample projects cited in SB 1, including:
  - The US 101 and SMART rail corridor in Marin and Sonoma Counties

NOTE: while the US 101 Northbound to I580 eastbound direct connector , and SR 37 are eligible, it will be difficult for the state to prioritize multiple projects in one county

- Guidelines and Programming decision
  - Draft Guidelines October 2017
  - Adoption in December 2017
  - Applications Due February 2018
  - Program of Projects Adoption May 2018 – the CTC will program 4 years of funding or \$1 Bil

# Highest likelihood of successful competition for grants

## Active Transportation Program

- Competitive non-motorized transportation projects
- \$100 million annually from SB 1- approx. doubles funds available
- Fund Distribution
  - 50% for Statewide Competition
  - 10% for Small Urban and Rural
  - 40% for MPO
- Marin has achieved recent success with \$4.025 mil granted from the MPO program in 2016 ( MTC) for the Francisco Blvd East/ Grand Avenue Bridge Ped/Bike Connectivity project
- Two additional projects were submitted for first round SB1 funds, on August 1<sup>st</sup>, 2017

Corte Madera- Central Marin Regional Pathways Gap Closure Project \$2,626,000

SMART- SMART Pathway - San Rafael (McInnis to Smith Ranch) \$2,050,000



# Regional Measure 3 Toll

On March 23rd, 2017, the TAM Board adopted unanimously Tier 1 and Tier 2 candidates for RM3, as well as Opportunity Candidates if opportunity arose for entering these projects.

## In no particular order:

- The Downtown San Rafael Bettini Transit Center Permanent Relocation- \$25 million
- Northbound Highway 101 to Eastbound I- 580 Direct Connector Project– \$135 million
- Highway 101 Marin Sonoma Narrows HOV Lane & Multi-Use Path - \$75 million
- The State Route 37 Widening and Sea-level Rise Adaptation Project – \$20 million for Environmental Document (amongst the 4 counties of Marin, Sonoma, Napa, and Solano)

## Tier Two included the following:

- Highway Interchange Improvements
- Highway 101 Transit Capital Elements (Transit Access, Bus On Shoulder and Park and Ride Improvements)
- Bike and Pedestrian Program of Projects
- Marin Transit Local O&M Facility

## Opportunity Candidates:

- Bike and Pedestrian Candidates (same group as above)
- Local and Regional Transit rehab needs
- Local Streets and Roads rehab needs



# Status of Regional Measure 3 , August 2017

- On Thursday July 13<sup>th</sup>, the State Assembly Transportation Committee released a list of potential candidates for an RM3 Toll Increase on Bay Area Bridges. They had approved it 10-0. Revenue levels were based on a \$3 increase, phased in over several years
- Marin's projects were included on the list :

Marin-Sonoma Narrows- \$125 mil

Highway 37 from Hwy 101 to I-80, Corridor Access and Sea-Level Rise Adaptation- \$150 mil

San Rafael Transit Center/ SMART- \$30 mil

Marin 101/580 Interchange- \$ 135 mil

# Status of Regional Measure 3 , August 2017

As will happen with Regional programs covering Nine Counties, not everyone is happy with the initial list

- MTC's Commission voted on the Assembly Transportation Committee candidate list at their meeting of July 26<sup>th</sup>, it passed 8-5, with Alameda and Contra Costa voting against. MTC needs its large counties to support the RM3 Voter Measure.
- It is very likely that some of Marin's funds will be siphoned off to re-distribute to other counties, Alameda and Contra Costa in particular, who are asking for more of the share of funds, in order to support the Measure.
- Marin would be well served if additional local funds could be made available to close the funding gaps on these projects, in order to assure their completion.

- Attachments  
SB1 Funding Program List  
RM3 Tier 1 Project Factsheets



# Questions



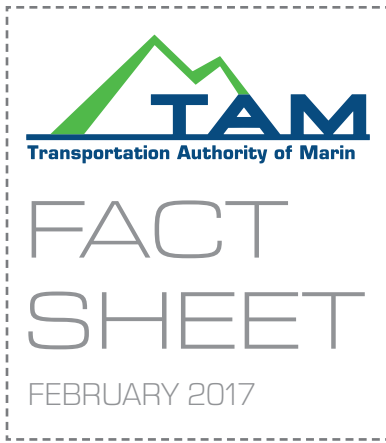
RM3 - REVISED DRAFT EXPENDITURE PLAN - JULY 12, 2017 (all amounts \$ millions)

OPERATING PROGRAM		\$3 Toll Increase		Benefit-Cost /Cost Effectiveness*
All- Corridor Operating Program	Annual RM3 Amount	% of Toll Revenue	Corridor Revenue Generated	
All Corridors	60	16%		
Transbay Terminal	5			
Ferries	35			
Regional Express Bus	20			

CAPITAL PROJECTS		\$3 Toll Increase		Benefit-Cost /Cost Effectiveness*
Regional Programs	RM3 Amount	RM3 Capital Funds %	Corridor Revenue Generated	
Bridge Rehabilitation (SFOBB & Richmond-San Rafael deck replacement, San Mateo-Hayward & Dumbarton deck overlays, paint Carquinez, miscellaneous projects on Richmond-San Rafael, SFOBB and San Mateo Hayward)	Top priority of indexing			17
BART Expansion Cars (all BART-reliant counties)	500			3
Corridor Express Lanes (Eligible: Alameda/Contra Costa I-80, Alameda I-880, Alameda-Contra Costa I-680, San Francisco 101, San Mateo 101, SR 84, SR 92, Solano I-80 Express Lanes (Red Top Road to I-505)	300			2-5
Goods Movement and Mitigation (I-580 and I-880 in Alameda County, Port of Oakland, Freight Rail Improvements)	125			N/A
Bay Trail / Safe Routes to Transit (all bridges corridors eligible)	150			2
Ferries (New vessels to add frequency to existing routes and service expansions in the counties of Alameda, Contra Costa, San Mateo, San Francisco, Solano; Antioch terminal)	325			2-6
BART to Silicon Valley, Phase 2	400			8
SMART	40			
Capitol Corridor Connection	90			
Regional Programs Subtotal/ % of Capital Projects	1,930	46%	N/A	

		\$3 Toll Increase		Benefit-Cost /Cost Effectiveness*
Corridor-Specific Capital Projects	RM3 Amount	RM3 Capital Funds %		
Central (SFOBB)				
Caltrain Downtown Extension (Transbay Terminal, Phase 2)	350			3
Muni Expansion Vehicles	140			1
Core Capacity Transit Improvements serving the Bay Bridge corridor	140			2-6
AC Transit - Rapid Bus Improvements	50			2-4
New Transbay BART Tube & Approaches	50			N/A
Central Subtotal / % of Corridor-Specific Projects	730	32%	32%	
South (San Mateo-Hayward, Dumbarton)				
Tri-Valley Transit Access Improvements	100			N/A
Eastridge to BART Regional Connector	130			6
San Jose Diridon Station	120			8
Dumbarton Rail/ACE/BART/Shinn Station	130			N/A
101/92 Interchange	50			
South Subtotal / % of Corridor-Specific Projects	530	23%	22%	
North (Richmond-San Rafael, Benicia-Martinez, Carquinez, Antioch)				
Contra Costa 680/4 Interchange Improvements & Transit Enhancements	150			2
Marin-Sonoma Narrows	125			2
Solano I-80/680/SR 12 Interchange Improvements	175			1
Solano West-Bound I-80 Truck Scales	125			
Highway 37 Corridor Access Improvements from Highway 101 to I-80 and Sea Level Rise Adap	150			N/A
San Rafael Transit Center / SMART	30			N/A
Marin 101/580 Interchange	135			N/A
North Bay Transit Improvements (Contra Costa, Marin, Napa, Solano Sonoma)	100			N/A
SR 29 (South Napa County)	20			
North Subtotal / % of Corridor-Specific Projects	1,010	44%	46%	
Corridor-Specific Capital Projects Subtotal /% of Capital Projects	2,270	54%		
Capital Projects Reserve			0%	
All Capital Projects Total	4,200			

Notes re: Benefit/Cost



# San Rafael Transit Center Relocation Project



## OVERVIEW

The San Rafael Transit Center, also known as the C. Paul Bettini Transit Center, is a major regional transit hub for Marin County. Located in Downtown San Rafael, the 16-bay transit center primarily serves bus routes operated by Golden Gate Transit and Marin Transit, but is also used by Sonoma County Transit, Sonoma County Airport Express, Marin Airporter, Greyhound, and taxis. The Sonoma-Marín Area Rail Transit ("SMART") system is a new passenger rail service that is scheduled to begin operations for phase 1 service between Sonoma County Airport and Downtown San Rafael in 2017. The second phase of the SMART project will extend rail service from San Rafael to Larkspur. It will utilize right-of-way within the existing transit center, thus requiring relocation of the transit center to maintain existing bus services.

San Rafael Transit Center currently experiences nearly 9,000 total daily boardings and alightings on weekdays, served by over 500 bus trips daily. The transit center site is owned by the Golden Gate Bridge, Highway and Transportation District, which operates Golden Gate Transit regional and inter-county transit services.

Two phases of solutions are needed for the transit center. An immediate set of modifications must be implemented by the start of construction of SMART Phase 2 to maintain existing service at the transit center. A longer-term solution is needed to provide a similar or higher level of customer convenience and service flexibility as the existing transit center.

## PROJECT PARTNERS

Golden Gate Bridge, Highway and Transit District, City of San Rafael, Marin Transit.

## COST AND FUNDING

Funding has been identified for immediate modifications to the transit center estimated to cost \$3.25 million. Funds are being sought for the long term, permanent relocation. The permanent relocation alternative estimates, based on conceptual engineering and not including potential relocation costs, range from \$22.8 million to \$32 million.





# Northbound Highway 101 to Eastbound Interstate 580 Direct Connector



*Potential alternative alignments*

## OVERVIEW

Commuters throughout Marin County experience significant delay accessing the Richmond-San Rafael Bridge (I-580) to travel eastbound to Contra Costa County, particularly in the afternoon and on weekends.

The approach to the Richmond-San Rafael Bridge from northbound Highway 101 is one of two approaches to toll bridges in the Bay Area that include low speed local roads and traffic signals. Congestion associated with access to the Richmond-San Rafael Bridge is causing increasing traffic delays on northbound Highway 101 and local streets. This connector project is a long standing public priority in Marin County. The connector is an essential part of the toll bridge limits.

The Transportation Authority of Marin completed a draft conceptual and technical analysis of connector options in spring 2017. The analysis identified three potential alternatives to provide a direct connection between the two freeways. The direct connector would provide a clear benefit to travel time

between NB US-101 to EB I-580 and would serve current and future mobility, reduce congestion and air pollution, improve safety, and ensure efficient movement of people and goods.

The project would require further detailed study and environmental analysis, but concept is broadly accepted by all jurisdictions in Marin County.

## PROJECT PARTNERS

Caltrans, Metropolitan Transportation Commission, Transportation Authority of Marin, City of San Rafael and the City of Larkspur.

## COST AND FUNDING

TAM has allocated \$250,000 to develop additional conceptual and technical analysis and has submitted this project as a tier one priority for consideration of funding from the upcoming Regional Measure 3 toll increase.

The initial analysis identified alternatives ranging in cost from \$135 to \$255 million.

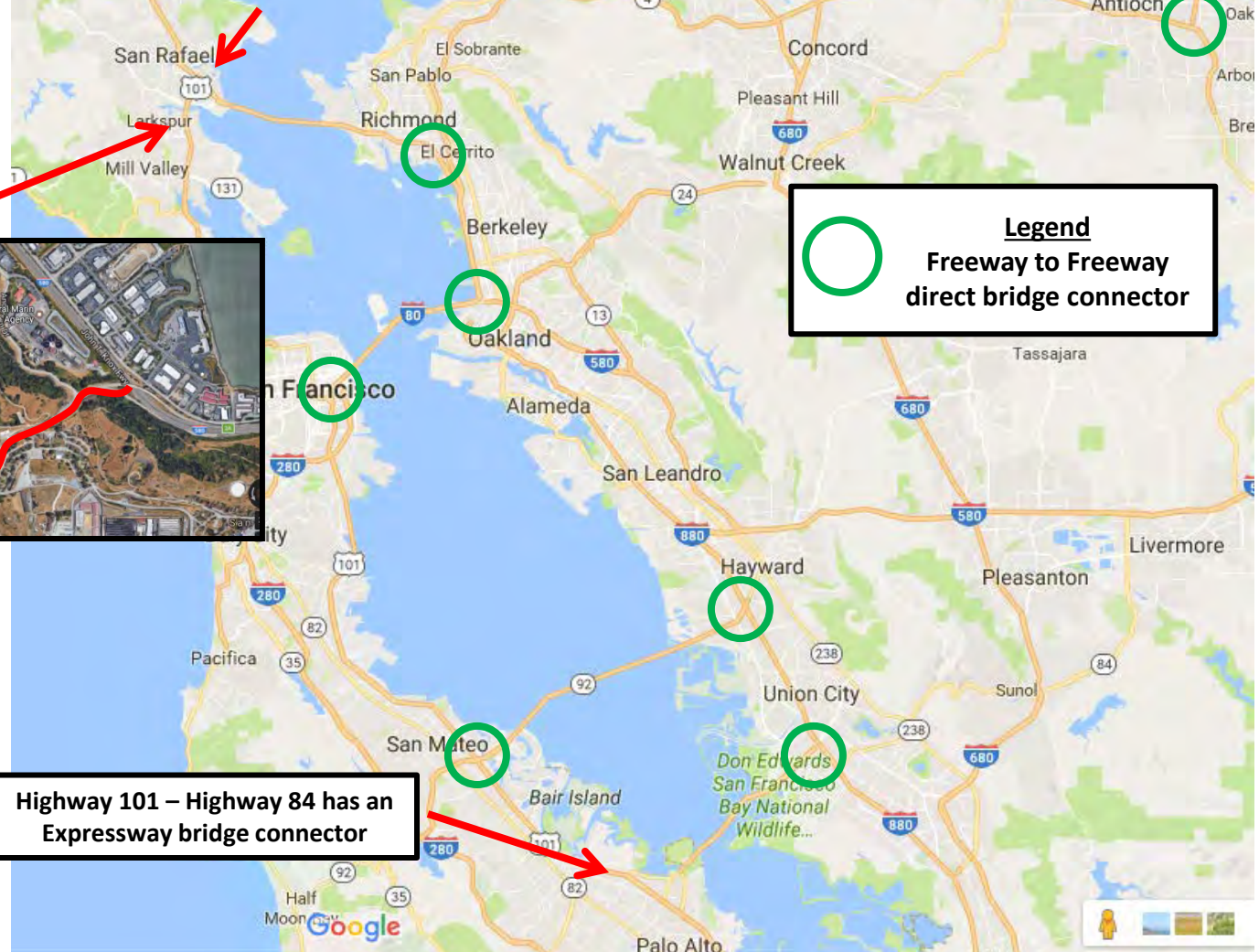


# Northbound Highway 101 to Eastbound Interstate 580 Direct Connector

Northbound 101 – Eastbound 580  
does not have a Freeway to  
Freeway direct bridge connector,  
but instead access is through two  
low speed signalized local road  
corridors



**Bellam Blvd**

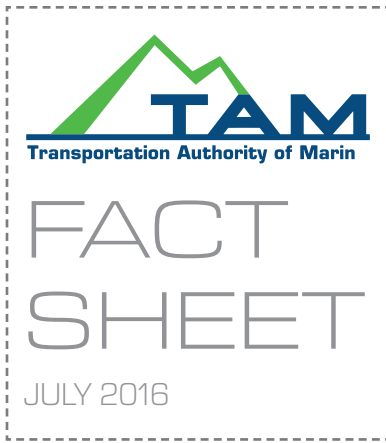


**Legend**  
Freeway to Freeway  
direct bridge connector

Highway 101 – Highway 84 has an  
Expressway bridge connector



**Sir Francis Drake**



# Marin-Sonoma Narrows (MSN)



The Marin-Sonoma Narrows Project is widening approximately 17 miles of US 101 from four to six lanes by adding carpool lanes in each direction; creating a controlled access freeway and upgrading the highway to current freeway standards from Route 37 in Novato (Marin County) to Old Redwood Highway in Petaluma (Sonoma County). It is part of the overall regional plan to provide continuous carpool lanes through Marin and Sonoma Counties.

In addition to the carpool lanes, new interchanges and frontage roads are being built to remove unsafe access from private properties and local roads. The project also includes continuous Class I and Class II bikeways between Novato and Petaluma.

The US 101 Corridor is a Lifeline Corridor that connects our major cities - San Francisco, San Rafael, Novato and Santa Rosa - serving goods movement, recreational travel and commuters. Construction of the 17-mile project is progressing with a combination of local funds and state funds. But critical funding gaps still exist, impeding the delivery of goods, services and workers all along Highway 101 from San Francisco, through Marin and Sonoma Counties.

## MARIN-SONOMA NARROWS STATISTICS

- Project length ..... 17 miles
- Avg. daily traffic – 2013 ..... 146,000 vehicles
- Avg. daily truck traffic – 2013 ..... 6,200 trucks
- Marin County / Sonoma County  
total populations. .... 258,000 / 495,000
- Vehicle hours of delay  
(time traveling less than 35 mph) ..... 978,400
- Funds programmed for MSN ..... \$419,552,000
- Funds needed to complete MSN . ~ \$200,000,000

To deliver this project, the Transportation Authority of Marin (TAM), Sonoma County Transportation Authority (SCTA) and Caltrans have initiated a strategy of dividing the 17-mile project into a series of fundable contracts and are building the project in phases based on operational priority (level of need) and funding availability.

**Marin-Sonoma Narrows Projects are divided up by location.**







Project B3 underway at San Antonio Creek.

## Construction Underway at the Marin / Sonoma County Line

The MSN B3/San Antonio Creek project spans approximately three miles at the Marin/Sonoma County line, and was designed and managed by TAM in concert with Caltrans.

### The project will:

- realign a portion of US 101 to the west
- widen the roadway for eventual carpool lanes
- build a new San Antonio Creek Bridge
- raise the roadway out of the flood plain
- eliminate driveways and at-grade crossings
- improve sightlines to significantly improve safety
- build a bicycle facility along San Antonio Creek to connect San Antonio Road with the Petaluma Boulevard South frontage road

Construction began in March 2016 and is expected to be complete late 2018/early 2019.

## Unfunded Project Phases

While many phases of the Marin-Sonoma Narrows Project have been completed or are under construction, over \$200 million is needed to complete the carpool lanes through Marin and Sonoma Counties. The cost estimate for the Marin segment is \$75 million.

*This factsheet provides an overview of key projects in Marin County and does not provide information on all Marin-Sonoma Narrows projects. For more information visit [www.tam.ca.gov](http://www.tam.ca.gov)*



Completed Landfill Bridge.

## Redwood Landfill Interchange and Carpool Lanes Completed in Novato

Marin-Sonoma Narrows contracts were completed in Marin to:

- construct a segment of carpool lanes in Novato
- reconstruct the Redwood Landfill Interchange
- build new frontage roads to serve San Antonio Road
- close unsafe driveway access
- build Class I and II multi-use paths

Construction of these projects was substantially completed at the end of 2014.

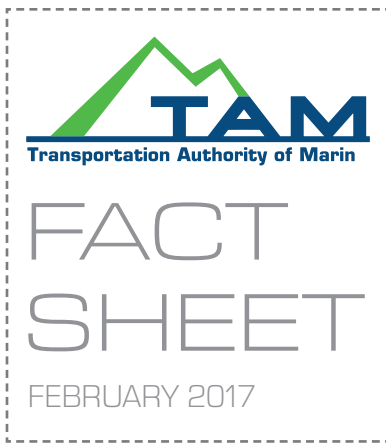


Soundwall under construction.

## Soundwall Construction and Landscaping in Novato

In summer 2016 a soundwall was installed along northbound Highway 101 between DeLong Avenue and Atherton Avenue in Novato. The project includes planting trees and other vegetation throughout the corridor in Marin.

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# State Route 37



## OVERVIEW

State Route 37 is a key transportation corridor stretching from Highway 101 in Marin County to Interstate 80 Solano County. The one lane section of Highway 37 from Highway 121 to Vallejo is a regional congestion bottleneck, facing growing travel delay, and portions of the highway in Marin are susceptible to flooding during rainstorms, including multi-day closures of the highway in January 2017. Due to its strategic transportation role and environmentally sensitive natural footprint, it has been the subject of a long-range planning study by UC Davis and Caltrans, and is being evaluated by an advisory committee comprised of transportation authorities from the counties of Marin, Sonoma, Solano and Napa.

The SR 37 Policy Committee was formed in 2015 as part of a Memorandum of Understanding (MOU) to discuss joint county efforts in improving the SR 37 Corridor to address sea level rise, traffic congestions, transit options and recreational activities.

## PROJECT PARTNERS

Caltrans, Metropolitan Transportation Commission, and transportation authorities from Marin, Sonoma, Napa and Solano Counties.

## COST AND FUNDING

Costs estimates for alternatives from previous studies (berm/embankment, box girder causeway and slab bridge causeway) range from \$1.26 to \$4.34 billion. An upcoming SR 37 project definition study will result in refined cost assumptions for near-, mid- and long-term considerations.

There is strong interest by the four north bay counties to have MTC support the development of the environmental document, estimated to be \$25 million, in the future RM3 program.

## ISSUES/RESOLUTIONS

A 1,500-foot segment of the four-lane freeway, between Highway 101 and Atherton Avenue in Novato, has been either partially or fully closed due to the flooding of Novato Creek and king tides several times in January and February 2017.

